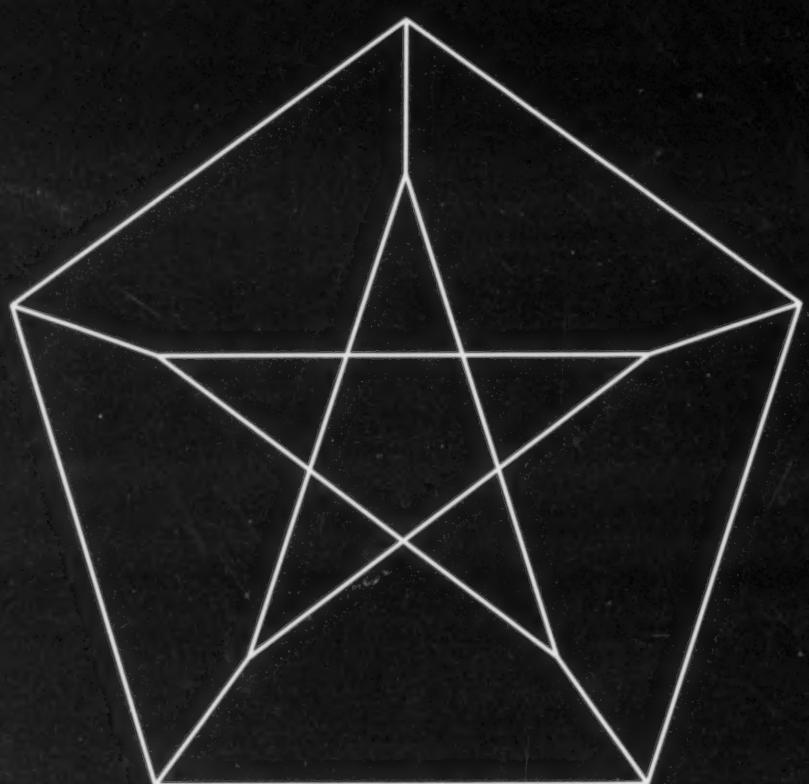


ISSN 0012-2615

DISCUSSION  
ARTICLES  
NOTES  
REVIEWS



*NOW included in your subscription:*

**ELECTRONIC  
ACCESS**

[www.elsevier.nl/locate/electacc](http://www.elsevier.nl/locate/electacc)

NORTH-HOLLAND

# DISCRETE MATHEMATICS

**Editor-in-Chief** Peter L. Hammer, Piscataway (NJ)

## Advisory Editors

C. Berge, Paris  
A.J. Hoffman,  
Yorktown Heights (NY)

V.L. Klee, Seattle (WA)  
R.C. Mullin, Waterloo  
V.T. Sós, Budapest

J.H. van Lint, Eindhoven

## Board of Editors

M.S. Aigner, Berlin  
B. Alspach, Burnaby  
G.E. Andrews, Univ. Park (PA)  
A. Barlotti, Firenze  
C. Benzaken, Grenoble  
J.-C. Bermond,  
Sophia-Antipolis  
N.L. Biggs, London  
B. Bollobás, Memphis (TN)  
R.A. Brualdi, Madison (WI)  
T.H. Brylawski,  
Chapel Hill (NC)  
P.J. Cameron, London  
P. Camion, Le Chesnay  
G. Chartrand, Kalamazoo (MI)  
V. Chvátal, Piscataway (NJ)

D. Foata, Strasbourg  
A.S. Fraenkel, Rehovot  
P. Frankl, Tokyo  
A.M. Frieze, Pittsburgh (PA)  
I.M. Gessel, Waltham (MA)  
R.L. Graham,  
Florham Park (NJ)  
A. Hajnal, Budapest  
F. Harary, Las Cruces (NM)  
D.M. Jackson, Waterloo  
J. Kahn, Piscataway (NJ)  
G.O.H. Katona, Budapest  
D.J. Kleitman,  
Cambridge (MA)  
A.V. Kostochka, Novosibirsk  
L. Lovász, New Haven (CT)

I. Rival, Ottawa  
A. Rosa, Hamilton  
S. Rudeanu, Bucharest  
H. Sachs, Ilmenau  
J. Schonheim, Tel-Aviv  
N.J.A. Sloane,  
Florham Park (NJ)  
C. Thomassen, Lyngby  
W.T. Tutte, Newmarket  
D.J.A. Welsh, Oxford  
D.B. West, Urbana (IL)  
R. Wille, Darmstadt  
D.R. Woodall, Nottingham  
H.P. Yap, Singapore

**Editorial Manager** Nelly Segal **Issue Manager** Mick van Gijswijk

**Publication Information:** Discrete Mathematics (ISSN 0012-365X). For 2000 volumes 210-225 are scheduled for publication. A combined subscription to Discrete Mathematics and Discrete Applied Mathematics (Vols. 98-106) at reduced rate is available. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.nl/locate/disc>). Further information is available on this journal and other Elsevier Science products through Elsevier's website (<http://www.elsevier.nl>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

**Orders, claims, and product enquiries:** please contact the Customer Support Department at the Regional Sales Office nearest you:

**New York:** Elsevier Science, PO Box 945, New York, NY 10159-0945, USA; phone: (+1) (212) 633 3730 [toll free number for North American customers: 1-888-4ES-INFO (437-4636)]; fax: (+1) (212) 633 3680; e-mail: [usinfo-f@elsevier.com](mailto:usinfo-f@elsevier.com)

**Amsterdam:** Elsevier Science, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone: (+31) 20 4853757; fax: (+31) 20 4853432; e-mail: [nlinfo-f@elsevier.nl](mailto:nlinfo-f@elsevier.nl)

**Tokyo:** Elsevier Science, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047; e-mail: [info@elsevier.co.jp](mailto:info@elsevier.co.jp)

**Singapore:** Elsevier Science, No. 1 Temasek Avenue, #17-01 Millenia Tower, Singapore 039192; phone: (+65) 434 3727; fax: (+65) 337 2230; e-mail: [asiainfo@elsevier.com.sg](mailto:asiainfo@elsevier.com.sg)

**Rio de Janeiro:** Elsevier Science, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro - RJ, Brazil; Phone: (+55) (21) 509 5340; fax: (+55) (21) 507 1991; e-mail: [elsevier@campus.com.br](mailto:elsevier@campus.com.br) [Note (Latin America): for orders, claims and help desk information, please contact the Regional Sales Office in New York as listed above]

# DISCRETE MATHEMATICS



# DISCRETE MATHEMATICS

MASTER INDEX  
VOLUMES 201-210



ELSEVIER, Amsterdam—Lausanne—New York—Oxford—Shannon—Tokyo

© 2000, Elsevier Science B.V. All rights reserved

This journal and the individual contributions contained in it are protected under copyright by Elsevier Science B.V., and the following terms and conditions apply to their use:

**Photocopying**

Single photocopies of single articles may be made for personal use as allowed by national copyright laws. Permission of the publisher and payment of a fee is required for all other photocopying, including multiple or systematic copying, copying for advertising or promotional purposes, resale, and all forms of document delivery. Special rates are available for educational institutions that wish to make photocopies for non-profit educational classroom use.

Permissions may be sought directly from Elsevier Science Rights & Permissions Department, PO Box 800, Oxford OX5 1DX, UK; phone: (+44) 1865 843830, fax: (+44) 1865 853333, e-mail: permissions@elsevier.co.uk. You may also contact Rights & Permissions directly through Elsevier's home page (<http://www.elsevier.nl>), selecting first 'Customer Support', then 'General Information', then 'Permissions Query Form'.

In the USA, users may clear permissions and make payments through the Copyright Clearance Center, Inc., 222 Rosewood Drive, Danvers, MA 01923, USA; phone: (978) 7508400, fax: (978) 7504744, and in the UK through the Copyright Licensing Agency Rapid Clearance Service (CLARCS), 90 Tottenham Court Road, London W1P 0LP, UK; phone: (+44) 171 631 5555; fax: (+44) 171 631 5500. Other countries may have a local reprographic rights agency for payments.

**Derivative Works**

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the publisher is required for resale or distribution outside the institution.

Permission of the publisher is required for all other derivative works, including compilations and translations.

**Electronic Storage or Usage**

Permission of the publisher is required to store electronically any material contained in this journal, including any article or part of an article.

Except as outlined above, no part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission of the publisher.

Address permissions requests to: Elsevier Science Rights & Permissions Department, at the mail, fax and e-mail addresses noted above.

**Notice**

No responsibility is assumed by the Publisher for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions or ideas contained in the material herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made.

Although all advertising material is expected to conform to ethical (medical) standards, inclusion in this publication does not constitute a guarantee or endorsement of the quality or value of such product or of the claims made of it by its manufacturer.

Abstracted/Indexed in: ACM Computing Reviews, Cambridge Scientific Abstracts, Current Contents: Physical, Chemical & Earth Sciences, International Abstracts in Operations Research, Mathematical Reviews, PASCAL, Science Citation Index, Zentralblatt für Mathematik.

© The paper used in this publication meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper)

**Editor-in-Chief**

Peter L. Hammer, *RUTCOR, Rutgers, the State University of New Jersey, 640 Bartholomew Road, Piscataway, NJ 08854-8003, USA*

**Advisory Editors**

C. Berge, *E.R. Combinatoire, Centre de Mathématique Sociale, 54 Boulevard Raspail, 75270 Paris Cedex 06, France*

A.J. Hoffman, *Mathematical Sciences Department, IBM Thomas Watson Research Center, P.O. Box 218, Yorktown Heights, NY 10598, USA*

V.L. Klee, *Department of Mathematics, University of Washington, Seattle, WA 98195, USA*

R.C. Mullin, *Department of Combinatorics & Optimization, University of Waterloo, Waterloo, Ont., Canada N2L 3G1*

V.T. Sós, *Mathematical Institute, Elke TTK Analisis 1, Muzeum Krt. 6-8, H-Budapest 8, Hungary*

J.H. van Lint, *Technische Universiteit, Insulindelaan 2, 5612 AZ Eindhoven, Netherlands*

**Board of Editors**

M.S. Aigner, *FB Mathematik, WE2, Freie Universität Berlin, Arnimallee 3, 14195 Berlin 33, Germany*

B. Alspach, *Department of Mathematics & Statistics, Simon Fraser University, Burnaby, B.C., Canada V5A 1S6*

G.E. Andrews, *Department of Mathematics & Statistics, Pennsylvania State University, University Park, PA 16802, USA*

A. Barlotti, *Istituto Matematico "Ulisse Dini", Viale Morgagni 67/A, I-50134 Firenze, Italy*

C. Benzaken, *Institute of Advanced Mathematics, Scientific and Medical, University of Grenoble, BP 53X, 38041 Grenoble Cedex, France*

J.-C. Bermond, *Project SLOOP, I3S-INRIA, 2004 Route des Lucioles, BP 93, F-06902 Sophia-Antipolis, France*

N.L. Biggs, *Department of Mathematics, London School of Economics, Houghton Street, London WC2A 2AE, UK*

B. Bollobás, *Department of Mathematical Sciences, University of Memphis, Campus Box 526429, Memphis, TN 38152-6429, USA*

R.A. Brualdi, *Department of Mathematics, University of Wisconsin-Madison, 480 Lincoln Drive, Madison, WI 53706, USA*

T.H. Brylawski, *Department of Mathematics, University of North Carolina, Chapel Hill, NC 27514, USA*

P.J. Cameron, *School of Mathematical Sciences, Queen Mary College, University of London, Mile End Road, London E1 4NS, UK*

P. Camion, *INRIA, Domaine de Volucean-Rocquencourt, BP 105, Le Chesnay Cedex 78153, France*

G. Chartrand, *Department of Mathematics, Western Michigan University, Kalamazoo, MI 49008, USA*

V. Chvátal, *Department of Computer Science, Rutgers, the State University of New Jersey, Hill Center, Piscataway, NJ 08855, USA*

D. Foata, *Département Mathématique, Université Louis Pasteur, 7 rue René Descartes, F-67084 Strasbourg, France*

A.S. Fraenkel, *Department of Applied Mathematics, Weizmann Institute of Science, IL-76100 Rehovot, Israel*

P. Frankl, *Shibuya-Ku, Higashi 1-10-30301, Tokyo 150, Japan*

A.M. Frieze, *Department of Mathematics, Carnegie Mellon University, Pittsburgh, PA 15213, USA*

I.M. Gessel, *Department of Mathematics, Brandeis University, P.O. Box 9110, Waltham, MA 02254-9110, USA*

R.L. Graham, *AT&T Bell Laboratories, 180 Park Avenue, Bldg. 103, Florham Park, NJ 07932, USA*

A. Hajnal, *Mathematical Institute, Hungarian Academy of Science, Reáltanoda u. 13–15, H-1053 Budapest, Hungary*

F. Harary, *Department of Computer Science, New Mexico State University, Las Cruces, NM 88003, USA*

D.M. Jackson, *Combinatorics & Optimization, University of Waterloo, Waterloo, Ont., Canada N2L 3G1*

J. Kahn, *Department of Mathematics, Rutgers, the State University of New Jersey, Hill Center, Piscataway, NJ 08855, USA*

G.O.H. Katona, *Matematik Kutató Intéz, Magyar Tudományos Akad, Reáltanoda u. 13–15, H-1053 Budapest, Hungary*

D.J. Kleitman, *Department of Mathematics, Massachusetts Institute of Technology, Cambridge, MA 02139, USA*

A.V. Kostochka, *Institute of Mathematics, Siberian Branch of the RAS, Universitetskii pr., 4, Novosibirsk-90, 630090 Russia*

L. Lovász, *Department of Computer Science, Yale University, New Haven, CT 06520, USA*

I. Rival, *Department of Computer Science, University of Ottawa, Ottawa, Ont., Canada K1N 6N5*

A. Rosa, *Department of Mathematics, McMaster University, Hamilton, Ont., Canada L8S 4K1*

S. Rudeanu, *Institutei de Mathematica, University of Bucharest, Str. Academiei 14, 70109 Bucaresti, Romania*

H. Sachs, *TH/Sekt. Mathematik, Rechentechnik und Kybernetik, Postfach 327, 98693 Ilmenau, Germany*

J. Schonheim, *Department of Mathematics, Tel Aviv University, Ramat Aviv, IL-Tel Aviv, Israel*

N.J.A. Sloane, *AT&T Research Labs., Room C233, P.O. Box 971, 180 Park Ave, Florham Park, NJ 07932-0971, USA*

C. Thomassen, *Mathematical Institute, Technical University of Denmark, Building 303, DK-2800 Lyngby, Denmark*

W.T. Tutte, *151 Manderston Road, Newmarket, Suffolk CB8 0NS, UK*

D.J.A. Welsh, *Mathematical Institute, University of Oxford, 24–29 St. Giles, Oxford OX1 3LB, UK*

D.B. West, *Department of Mathematics, University of Illinois at Urbana-Champaign, 273 Altgeld Hall, 1409 West Green Street, Urbana, IL 61801-2975, USA*

R. Wille, *Fachbereich Mathematik, Technische Hochschule Darmstadt, Schlossgartenstrasse 7, 64289 Darmstadt, Germany*

D.R. Woodall, *Department of Mathematics, University of Nottingham, University Park, Nottingham NG7 2RD, UK*

H.P. Yap, *Department of Mathematics, National University of Singapore, Singapore 0511, Singapore*



## List of referees: volumes 201–210

DISCRETE MATHEMATICS has continuously benefitted from the kind assistance of a great number of referees. We hereby express our gratitude for their sustained efforts, without which our activity could not have been carried out.

the editors

H.L. Abbott	K. Cameron	E.J. Farrell
M. Aigner	P.J. Cameron	R.J. Faudree
A. Ainouche	E.R. Canfield	O. Favaron
M.O. Albertson	Y. Caro	U. Feige
N. Alon	J. Cazaran	M. Fiedler
A. Altshuler	Chang Gerard J	J.F. Fink
G.E. Andrews	Chang Yanxun	G. Finke
M. Antweiler	Chen William Y.C	M.A. Fiol
D. Archdeacon	G.L. Chia	P.C. Fishburn
A.M. Assaf	Chu Wenchang	P. Flajolet
C. Bachoc	V. Chvatal	O. Flandre
L. Bader	D.M. Clark	D. Foata
J. Bang-Jensen	E.J. Cockayne	P.W. Fowler
C. Barbut	G. Cohen	A.S. Fraenkel
C.L. Barrett	C.J. Colbourn	J.V. Franco
L.M. Batten	K.L. Collins	H.M. Fredricksen
U. Baumann	R. Cori	A.M. Frieze
L.W. Beineke	D.G. Corneil	S. Fujishige
E.A. Bender	Y. Crama	P. Gacs
A. Bichara	D. Cvetkovic	J.A. Gallian
N.L. Biggs	P. Damaschke	M. Geck
J.C. Bioch	F. De Clerck	J.F. Geelen
M. Bona	M.J. de Resmini	J. Georges
J.E. Bonin	P. De Vito	M. Gerber
O.V. Borodin	C. Delorme	I. Gessel
M. Borowiecki	P. Delsarte	J. Gimbel
M. Bousquet-Melou	W. Deuber	R.E. Giudici
N. Brand	E. Dobson	W. Goddard
P.S. Bremser	S. Dragomir	R. Goettfret
F. Brenti	Du Beiliang	M.C. Golumbic
G.R. Brightwell	F. Durand	H.W. Gould
I. Broere	G.L. Ebert	R.J. Gould
H.J. Broersma	S.I. El-Zanati	R.I. Gow
A.E. Brouwer	M.N. Ellingham	D.J. Grabiner
J.I. Brown	K. Engel	M. Greferath
R.A. Brualdi	H. Enomoto	J.R. Griggs
F. Buekenhout	T. Etzion	P. Gruber
I. Cahit	J. Fabrega	B. Grunbaum
Cai Mao-cheng	G. Faina	D.R. Guichard

Guo Yubao	J.F. Korsh	M. Meszka
G.Z. Gutin	A.V. Kostochka	K. Metsch
A. Gyarfás	M. Koutras	M. Miller
W.H. Haemers	J. Kratochvíl	D. Moews
J.B. Haglund	D. Kratsch	M.L. Moreira
G. Hahn	D.J. Kremer	H.M. Mulder
S.L. Hakimi	M. Krivelevich	G.L. Mullen
R.J.G. Halin	J.P. Kung	O.J. Murphy
D. Hanson	R. Labahn	M.E. Muzychuk
J. Harant	B. Larose	C. St.J. Nash-Williams
H. Harborth	C. Laskowski	L. Nebesky
B.L. Hartnell	J. Lauri	J. Nešetřil
J.H. Hattingh	S.A. Lavrenchenko	T. Niessen
I. Havel	J.F. Lawrence	T. Nishimura
R.B. Hayward	Lee Carl W	C. O'Neil
K. Heinrich	J. Lehel	J. O'Rourke
M.A. Henning	H.W. Lenstra Jr.	D. Olanda
D.S. Herscovici	H. Lenz	S. Olariu
J.W.P. Hirschfeld	P. Leroux	J. Opatrny
C.T. Hoang	O. Lessmann	B. Oporowski
R. Hochberg	Y. Levin	J.G. Oxley
T. Hoholdt	J. Leydold	L. Pachter
I. Honkala	Li Cai Heng	C. Padro
P. Horak	Li Hao	K.G. Paterson
M. Hornak	Li Mingchu	G. Paun
D. Horrocks	Li Rao	C. Payan
H. Hotje	Lih Ko-wei	S.E. Payne
S. Hougaard	C.C. Lindner	U.N. Peled
F.T. Howard	V. Linek	M. Penn
R.W. Irving	V.A. Liskovets	K.T. Phelps
Z. Janko	S. Litsyn	G. Pickert
S. Jendrol	Liu Bolian	T. Pisanski
R.H. Jeurissen	Liu Jiuqiang	J. Plesnik
V. Jha	Liu Yanpei	E. Plonka
P.E. John	O. Livneh	A. Pluhar
N.L. Johnson	E.K. Lloyd	N. Polat
W.P. Johnson	D.E. Loeb	M. Preissmann
P.T. Johnstone	Lou Dingjun	A. Prekopa
H.A. Jung	Lu Linyuan	O. Pretzel
Jung Hyung Chan	M. Lucertini	R.W. Quackenbush
D. Jungnickel	G. Lunardon	A. Quilliot
H. Jurgensen	G. MacGillivray	E.M. Rains
J. Kahn	F. Maffray	C. Rasmussen
T. Katrinak	N.V.R. Mahadev	M. Razpet
A.D. Keedwell	E.S. Mahmoodian	R.C. Read
A.K. Kelmans	J. Malkevitch	A. Recski
A.E. Kezdy	O. Marcotte	B.A. Reed
G.B. Khosrovshahi	G. Marichal	K.B. Reid
A. Klapper	N. Martin	F. Rendl
V. Klee	D. Marusic	B. Richmond
U. Knauer	R. Mathon	F.S. Roberts
M. Kochol	P. McMullen	C.A. Rodger
Koh Khee Meng	G.C. Meletiou	A. Romanowska
J. Komlos	E. Mendelsohn	A. Rosa
G. Korchmaros	S.K. Merz	G. Rote

C.C. Rousseau	R.G. Stanton	M. Voigt
G.F. Royle	E. Steffen	L. Volkmann
A. Rucinski	R. Steinberg	V.I. Voloshin
S. Rudeanu	E. Steingrimsson	D.G. Wagner
I. Rusu	L.K. Stewart	D. Wagner
Z. Ryjacek	M. Stiebitz	C. Wallis
H. Sachs	D.R. Stinson	T. Walsh
A. Saito	M. Stoer	H. Walther
M. Saks	L. Storme	W.A. Webb
J. Sanchez	G. Stroth	H. Wefelscheid
N.W. Sauer	R.A. Sulanke	Wei Bing
M. Scafati Tallini	M.M. Syslo	W. Wessel
R. Scapellato	Z. Szaniszlo	D.B. West
I. Schiermeyer	P.J. Szeptycki	M.A. Whittlesey
J.H. Schmerl	T. Szonyi	K.L. Williams
E. Schulte	A.D. Taylor	J. Wojciechowski
B. Schwarz	L. Teirlinck	A.J. Woldar
A.J. Schwenk	P. Terwilliger	D.R. Woodall
J.R. Seberry	A.G. Thomason	N.C. Wormald
L.W. Shapiro	C. Thomassen	Xu Shaoji
J. Sheehan	S.K. Tipnis	Xuong Nguyen Huy
Shen Jian	M. Tkac	C.H. Yan
L.A. Shepp	D.T. Todorov	H.P. Yap
Shin Dong-Joon	V.D. Tonchev	J.L.A. Yebra
R.J. Simpson	A. Tonks	Yeh Roger K
J. Siran	G. Toth	Yeo Anders
Z. Skupien	M. Trenkler	M. Zaker
N.J.A. Sloane	M. Truszcynski	A. Zaks
W.F. Smyth	A. Tucker	J. Zaks
H.S. Snevily	Z. Tuza	J. Zapletal
A. Soifer	P. Tvrlik	D. Zeilberger
P. Sole	M. van de Vel	H. Zeitler
D. Sotteau	J. van den Heuvel	B. Zelinka
J. Spinrad	T.P. Vaughan	J.S. Zito
R. Sprugnoli	P.D. Vestergaard	I.E. Zverovich
D. Stanton	A. Vince	



## Master index of volumes 201-210

Abatangelo, V., M.R. Enea, G. Korchmáros and B. Larato, Ovals and unitals in commutative twisted field planes	208/209	(1999)	3- 8
Abderrezak, M.E.K., E. Flandrin and Z. Ryjáček, Induced $S(K_{1,3})$ and hamiltonian cycles in the square of a graph ( <i>Note</i> )	207	(1999)	263-269
Abramov, S.A., M. Petkovsek and A. Ryabenko, Special formal series solutions of linear operator equations	210	(2000)	3- 25
Acharya, B.D. and P. Gupta, Domination in graphoidal covers of a graph	206	(1999)	3- 33
Adelberg, A., Arithmetic properties of the Nörlund polynomial $B_n^{(x)}$	204	(1999)	5- 13
Agnarsson, G., S. Felsner and W.T. Trotter, The maximum number of edges in a graph of bounded dimension, with applications to ring theory	201	(1999)	5- 19
Aigner, M., A Characterization of the bell numbers ( <i>Note</i> )	205	(1999)	207-210
Alabdullatif, M. and K. Walker, Maximum graphs not spannable by $r$ disjoint paths	208/209	(1999)	9- 12
Aldred, R.E.L., D.A. Holton, M.I. Porteous and M.D. Plummer, Two results on matching extensions with prescribed and proscribed edge sets	206	(1999)	35- 43
Ando, K., A. Kaneko and T. Nishimura, A degree condition for the existence of 1-factors in graphs or their complements	203	(1999)	1- 8
Andrews, G.E., $q$ -Analogs of the binomial coefficient congruences of Babbage, Wolstenholme and Glaisher	204	(1999)	15- 25
Arumugam, S. and J.P. Joseph, On graphs with equal domination and connected domination numbers	206	(1999)	45- 49
Asratian, A.S. and N.N. Kuzjurin, On the number of nearly perfect matchings in almost regular uniform hypergraphs	207	(1999)	1- 8
Athanasiadis, C.A. and S. Linusson, A simple bijection for the regions of the Shi arrangement of hyperplanes	204	(1999)	27- 39

Bader, L. and G. Lunardon, Generalized hexagons and polar spaces	208/209	(1999)	13- 22
Bagga, J.S., L.W. Beineke and B.N. Varma, The super line graph $\mathcal{L}_2$	206	(1999)	51- 61
Baker, R.D., A. Bonisoli, A. Cossidente and G.L. Ebert, Mixed partitions of $PG(5, q)$	208/209	(1999)	23- 29
Barcucci, E., A.D. Lungo, E. Pergola and R. Pinzani, Directed animals, forests and permutations	204	(1999)	41- 71
Beineke, L.W., see J.S. Bagga	206	(1999)	51- 61
Beineke, L.W., I. Broere and M.A. Henning, Queens graphs	206	(1999)	63- 75
Beneteau, L., Extended triple systems: geometric motivations and algebraic constructions	208/209	(1999)	31- 47
Benini, A. and S. Pellegrini, Weakly divisible nearrings	208/209	(1999)	49- 59
Berardi, L. and F. Zuanni, On the existence of blocking 3-sets in designs	208/209	(1999)	61- 70
Bernhart, F.R., Catalan, Motzkin, and Riordan numbers	204	(1999)	73-112
Berrachedi, A. and M. Mollard, Median graphs and hypercubes, some new characterizations	208/209	(1999)	71- 75
Bezrukov, S.L., On an equivalence in discrete extremal problems	203	(1999)	9- 22
Bichara, A. and C. Zanella, Characterization of embedded special manifolds	208/209	(1999)	77- 83
Bierbrauer, J., see Y. Edel	205	(1999)	57- 64
Biondi, P. and P.M. Lo Re, Generalized $Q$ -sets in a finite locally projective planar space	208/209	(1999)	85-102
Blidia, M., P. Duchet, H. Jacob, F. Maffray and H. Meyniel, Some operations preserving the existence of kernels ( <i>Note</i> )	205	(1999)	211-216
Bogart, K.P. and D.B. West, A short proof that 'proper = unit'	201	(1999)	21- 23
Bonisoli, A., see R.D. Baker	208/209	(1999)	23- 29
Bonnecaze, A., P. Gaborit, M. Harada, M. Kitazume and P. Solé, Niemeier lattices and Type II codes over $\mathbb{Z}_4$	205	(1999)	1- 21
Borodin, O.V., A.V. Kostochka, J. Nešetřil, A. Raspaud and E. Sopena, On the maximum average degree and the oriented chromatic number of a graph	206	(1999)	77- 89
Borodin, O.V., D.P. Sanders and Y. Zhao, On cyclic colorings and their generalizations	203	(1999)	23- 40
Brightwell, G., Balanced pairs in partial orders	201	(1999)	25- 52
Brightwell, G., D.A. Grable and H.J. Prömel, Forbidden induced partial orders	201	(1999)	53- 80
Broere, I., see L.W. Beineke	206	(1999)	63- 75

Bubley, R. and M. Dyer, Faster random generation of linear extensions	201	(1999)	81- 88
Buratti, M., Pairwise balanced designs from finite fields	208/209	(1999)	103-117
Cai, J. and Y. Liu, The enumeration of rooted non-separable nearly cubic maps	207	(1999)	9- 24
Cairns, G. and D.M. King, The answer to Woodall's musquash problem	207	(1999)	25- 32
Caro, Y. and R. Yuster, The uniformity space of hypergraphs and its applications	202	(1999)	1- 19
Chang, G.J., L. Huang and X. Zhu, Circular chromatic numbers of Mycielski's graphs	205	(1999)	23- 37
Changat, M. and J. Mathew, On triangle path convexity in graphs	206	(1999)	91- 95
Chapman, R., Moments of Dyck paths	204	(1999)	113-117
Chapman, S.T., M. Freeze and W.W. Smith, Minimal zero-sequences and the strong Davenport constant ( <i>Note</i> )	203	(1999)	271-277
Chew, K.H., Total chromatic number of graphs of odd order and high degree	205	(1999)	39- 46
Choudum, S.A. and K. Kayathri, An extension of Vizing's adjacency lemma on edge chromatic critical graphs	206	(1999)	97-103
Choudum, S.A. and S.P.M. Kishore, Graceful labelling of the union of paths and cycles	206	(1999)	105-117
Choudum, S.A. and B. Ponnusamy, Ramsey numbers for transitive tournaments	206	(1999)	119-129
Chow, T. and J. West, Forbidden subsequences and Chebyshev polynomials	204	(1999)	119-128
Chu, W., Binomial convolutions and determinant identities	204	(1999)	129-153
Cieslik, D., <i>k</i> -Steiner-minimal-trees in metric spaces	208/209	(1999)	119-124
Clark, L., Asymptotic normality of the Ward numbers	203	(1999)	41- 48
Colbourn, C.J. and A.C.H. Ling, Kirkman school project designs	203	(1999)	49- 60
Constantine, G.M., Identities over set partitions	204	(1999)	155-162
Cordero, M. and G.P. Wene, A survey of finite semifields	208/209	(1999)	125-137
Cossidente, A. and L. Storme, Cyclic and elementary abelian caps in projective spaces	208/209	(1999)	139-156
Cossidente, A., see R.D. Baker	208/209	(1999)	23- 29
Coulter, R.S. and M. Henderson, A class of functions and their application in constructing semi-biplanes and association schemes	202	(1999)	21- 31

Craft, D. and E.H. Tesar, On a question by Erdős about edge-magic graphs (*Note*) 207 (1999) 271-276

Cull, P. and I. Nelson, Error-correcting codes on the towers of Hanoi graphs 208/209 (1999) 157-175

Dai, Z.D., S.W. Golomb and G. Gong, Generating all linear orthomorphisms without repetition 205 (1999) 47- 55

De Salvo, M. and G. Lo Faro, On the  $n^*$ -complete hypergroups 208/209 (1999) 177-188

Del Fra, A. and A. Pasini, A census of extended generalized quadrangles of order  $(q-1, q+1)$  and  $(q+1, q-1)$  208/209 (1999) 189-204

Deutsch, E., An involution on Dyck paths and its consequences 204 (1999) 163-166

Deutsch, E., Dyck path enumeration 204 (1999) 167-202

Di Domenico, M.C. and M. Gionfriddo, On the edge-coloring property for Hanani triple systems 208/209 (1999) 205-209

Domke, G.S., J.H. Hattingh, S.T. Hedetniemi, R.C. Laskar and L.R. Markus, Restrained domination in graphs 203 (1999) 61- 69

Dong, F.M. and K.M. Koh, Structures and chromaticity of some extremal 3-colourable graphs 203 (1999) 71- 82

Donnelly, S. and G. Isaak, Hamiltonian powers in threshold and arborescent comparability graphs 202 (1999) 33- 44

Dridi, T., Distributions ordinaires associées aux matrices 3-monotones (*Communication*) 203 (1999) 261-265

Duchet, P., see M. Blidia 205 (1999) 211-216

Duffus, D. and B. Sands, An inequality for the sizes of prime filters of finite distributive lattices 201 (1999) 89- 99

Durante, N., U. Hübsch, V. Napolitano and J. Ueberberg, A classification of finite  $\{0, 1, 2\}$ -inversive planes 208/209 (1999) 211-233

Duursma, I.M., Monomial embeddings of the Klein curve 208/209 (1999) 235-246

Dyer, M., see R. Bubley 201 (1999) 81- 88

Ebert, G.L., see R.D. Baker 208/209 (1999) 23- 29

Ebert, G.L., Buekenhout unitals 208/209 (1999) 247-260

Edel, Y. and J. Bierbrauer, Some codes related to *BCH*-codes of low dimension 205 (1999) 57- 64

Edwards, K., The harmonious chromatic number of complete  $r$ -ary trees 203 (1999) 83- 99

Enea, M.R., see V. Abatangelo 208/209 (1999) 3- 8

Enomoto, H., M.D. Plummer and A. Saito, Neighborhood unions and factor critical graphs (*Note*) 205 (1999) 217-220

Faina, G. and F. Pambianco, On some 10-arcs for deriving the minimum order for complete arcs in small projective planes 208/209 (1999) 261-271

Faudree, R., O. Favaron, E. Flandrin, H. Li and Z. Liu, On 2-factors in claw-free graphs 206 (1999) 131-137

Favaron, O., see R. Faudree 206 (1999) 131-137

Favaron, O., E. Flandrin, H. Li and F. Tian, An Ore-type condition for pancyclability 206 (1999) 139-144

Feichtner, E.M. and D.N. Kozlov, On subspace arrangements of type  $\mathcal{D}$  210 (2000) 27- 54

Felsner, S., see G. Agnarsson 201 (1999) 5- 19

Felsner, S., P.C. Fishburn and W.T. Trotter, Finite three dimensional partial orders which are not sphere orders 201 (1999) 101-132

Ferenczi, S., Complexity of sequences and dynamical systems 206 (1999) 145-154

Feretić, S., An alternative method for q-counting directed column-convex polyominoes 210 (2000) 55- 70

Fishburn, P.C., see S. Felsner 201 (1999) 101-132

Flajolet, P. and M. Noy, Analytic combinatorics of non-crossing configurations 204 (1999) 203-229

Flammenkamp, A., Integers with a small number of minimal addition chains (*Note*) 205 (1999) 221-227

Flandrin, E., see O. Favaron 206 (1999) 139-144

Flandrin, E., see R. Faudree 206 (1999) 131-137

Flandrin, E., see M.E.K. Abderrezak 207 (1999) 263-269

Flandrin, E., F. Tian, B. Wei and L. Zhang, Some properties of 3-domination-critical graphs 205 (1999) 65- 76

Fon-Der-Flaass, D.G., A.V. Kostochka and D.R. Woodall, Transversals in uniform hypergraphs with property (7, 2) (*Note*) 207 (1999) 277-284

Freeze, M., see S.T. Chapman 203 (1999) 271-277

Freni, S., Quasiparallelism and embedding of finite linear spaces 208/209 (1999) 273-284

Fritzsche, K. and F.B. Holt, More polytopes meeting the conjectured Hirsch bound 205 (1999) 77- 84

Fujii, H. and A. Katsuda, Isospectral graphs and isoperimetric constants 207 (1999) 33- 52

Gaborit, P., see A. Bonnecaze 205 (1999) 1- 21

Gabrieli, E., Loops with reflection germ: a characterization of absolute planes 208/209 (1999) 285-298

Gács, A., On the number of directions determined by a point set in  $AG(2, p)$  208/209 (1999) 299-309

Gardner, R.J., P. Gritzmann and D. Prangenberg, On the computational complexity of reconstructing lattice sets from their X-rays	202	(1999)	45- 71
Gasharov, V., On Stanley's chromatic symmetric function and clawfree graphs ( <i>Note</i> )	205	(1999)	229-234
Geelen, J.F., On matroids without a non-Fano minor ( <i>Note</i> )	203	(1999)	279-285
Gionfriddo, M., see M.C. Di Domenico	208/209	(1999)	205-209
Giulietti, M. and E. Ughi, A small complete arc in $PG(2, q)$ , $q = p^2$ , $p \equiv 3 \pmod{4}$	208/209	(1999)	311-318
Glynn, D.G., The representation of any affine plane of prime-power order within its own line-code	206	(1999)	155-158
Goldstone, R., The structure of neighbor disconnected vertex transitive graphs	202	(1999)	73-100
Goldwasser, J., W. Klostermeyer, M. Mays and G. Trapp, The density of ones in Pascal's rhombus	204	(1999)	231-236
Golomb, S.W., see Z.D. Dai	205	(1999)	47- 55
Gong, G., see Z.D. Dai	205	(1999)	47- 55
Gould, R.J. and J.M. Harris, Forbidden triples and traceability: a characterization	203	(1999)	101-120
Grable, D.A., see G. Brightwell	201	(1999)	53- 80
Grannell, M., T.S. Griggs and K.A.S. Quinn, Mendelsohn directed triple systems	205	(1999)	85- 96
Gravier, S., On Tucker vertices of graphs	203	(1999)	121-131
Griggs, T.S., see M. Grannell	205	(1999)	85- 96
Gritzmann, P., see R.J. Gardner	202	(1999)	45- 71
Guibert, O., Stack words, standard Young tableaux, permutations with forbidden subsequences and planar maps	210	(2000)	71- 85
Gupta, P., see B.D. Acharya	206	(1999)	3- 33
Guruswami, V., Enumerative aspects of certain subclasses of perfect graphs	205	(1999)	97-117
Hagedorn, T.R., On the existence of magic $n$ -dimensional rectangles	207	(1999)	53- 63
Hagedorn, T.R., Magic rectangles revisited	207	(1999)	65- 72
Han, G.-N. and J. Zeng, $q$ -Polynômes de Gandhi et statistique de Denert	205	(1999)	119-143
Harada, M., see A. Bonnecaze	205	(1999)	1- 21
Harris, J.M., see R.J. Gould	203	(1999)	101-120
Hattingh, J.H., see G.S. Domke	203	(1999)	61- 69
Havlicek, H., Chow's theorem for linear spaces	208/209	(1999)	319-324
Hedetniemi, S.T., see G.S. Domke	203	(1999)	61- 69
Heinrich, K. and J. Yin, On group divisible covering design	202	(1999)	101-112
Helm, M., On the Beck-Fiala theorem	207	(1999)	73- 87

Henderson, M., see R.S. Coulter	202	(1999)	21- 31
Henning, M.A., see L.W. Beineke	206	(1999)	63- 75
Hersh, P., On exact $n$ -step domination ( <i>Note</i> )	205	(1999)	235-239
Hirschhorn, M.D., Basis partitions and Rogers-Ramanujan partitions ( <i>Note</i> )	205	(1999)	241-243
Hoang Ngoc Minh and G. Jacob, Symbolic integration of meromorphic differential systems via Dirichlet functions	210	(2000)	87-116
Holt, F.B., see K. Fritzsche	205	(1999)	77- 84
Holton, D.A., see R.E.L. Aldred	206	(1999)	35- 43
Hoşten, S. and W.D. Morris Jr., The order dimension of the complete graph	201	(1999)	133-139
Hotje, H. and O. Iden, On non-projective free Benz planes	208/209	(1999)	325-338
Hsu, L.C. and P.J.-S. Shiue, On certain summation problems and generalizations of Eulerian polynomials and numbers	204	(1999)	237-247
Huang, L., see G.J. Chang	205	(1999)	23- 37
Hübsch, U., see N. Durante	208/209	(1999)	211-233
Iden, O., see H. Hotje	208/209	(1999)	325-338
Innamorati, S. and A. Maturo, The spectrum of minimal blocking sets	208/209	(1999)	339-347
Iorgulescu, A., Connections between MV <sub>n</sub> algebras and $n$ -valued Lukasiewicz-Moisil algebras — II	202	(1999)	113-134
Isaak, G., see S. Donnelly	202	(1999)	33- 44
Jacob, G., see Hoang Ngoc Minh	210	(2000)	87-116
Jacob, H., see M. Blidia	205	(1999)	211-216
Johnson, N.L., New and old results on flocks of circle planes	208/209	(1999)	349-373
Johnson, W.P., Some polynomials associated with up-down permutations	210	(2000)	117-136
Joseph, J.P., see S. Arumugam	206	(1999)	45- 49
Jungnickel, D. and S.A. Vanstone, $q$ -ary graphical codes	208/209	(1999)	375-386
Kaneko, A., see K. Ando	203	(1999)	1- 8
Karzel, H., Recent developments on absolute geometries and algebraization by K-loops	208/209	(1999)	387-409
Katsuda, A., see H. Fujii	207	(1999)	33- 52
Kayathri, K., see S.A. Choudum	206	(1999)	97-103
Kearnes, K.A. and E.W. Kiss, Finite algebras of finite complexity	207	(1999)	89-135
Kierstead, H.A., The dimension of two levels of the Boolean lattice	201	(1999)	141-155

King, D.M., see G. Cairns	207	(1999)	25- 32
Kishore, S.P.M., see S.A. Choudum	206	(1999)	105-117
Kiss, E.W., see K.A. Kearnes	207	(1999)	89-135
Kiss, Gy., Two generalizations of Napoleon's theorem in finite planes	208/209	(1999)	411-420
Kitazume, M., see A. Bonnecaze	205	(1999)	1- 21
Klostermeyer, W., see J. Goldwasser	204	(1999)	231-236
Koh, K.M., see F.M. Dong	203	(1999)	71- 82
Korchmáros, G., see V. Abatangelo	208/209	(1999)	3- 8
Kostochka, A.V., see O.V. Borodin	206	(1999)	77- 89
Kostochka, A.V., see D.G. Fon-Der-Flaass	207	(1999)	277-284
Kozlov, D.N., see E.M. Feichtner	210	(2000)	27- 54
Krattenthaler, C. and M. Schlosser, A new multi-dimensional matrix inverse with applications to multiple $q$ -series	204	(1999)	249-279
Kuzjurin, N.N., see A.S. Asratian	207	(1999)	1- 8
Kyriakoussis, A. and M.G. Vamvakari, Asymptotic normality of the coefficients of polynomials related to the classical system orthogonal ones	205	(1999)	145-169
Laforest, C., A.L. Liestman, D. Peleg, T.C. Shermer and D. Sotteau, Edge-disjoint spanners of complete graphs and complete digraphs	203	(1999)	133-159
Lam, P.C.B., W.C. Shiu and L. Sun, On independent domination number of regular graphs	202	(1999)	135-144
Landjev, I.N. and T. Maruta, On the minimum length of quaternary linear codes of dimension five	202	(1999)	145-161
Landman, B.M., On some generalizations of the van der Waerden number $w(3)$	207	(1999)	137-147
Larato, B., see V. Abatangelo	208/209	(1999)	3- 8
Laskar, R.C., see G.S. Domke	203	(1999)	61- 69
Le, D. and A.J. Macula, On the probability that subset sequences are minimal ( <i>Note</i> )	207	(1999)	285-289
Leimich, U. and K. Reuter, The fractional dimension of subsets of Boolean lattices and of cartesian products	201	(1999)	157-170
Leininger, V.E. and S.C. Milne, Expansions for $(q)_{\infty}^{n^2+2n}$ and basic hypergeometric series in $U(n)$	204	(1999)	281-317
Leng, G. and X. Qian, Inequalities for any point and two simplices	202	(1999)	163-172
Li, D., see J. Mao	202	(1999)	183-189
Li, H., see O. Favaron	206	(1999)	139-144
Li, H., see R. Faudree	206	(1999)	131-137
Liestman, A.L., see C. Laforest	203	(1999)	133-159
Ling, A.C.H., see C.J. Colbourn	203	(1999)	49- 60
Linusson, S., see C.A. Athanasiadis	204	(1999)	27- 39

Liu, Y., see J. Cai 207 (1999) 9- 24  
 Liu, Z., see R. Faudree 206 (1999) 131-137  
 Lo Faro, G., see M. De Salvo 208/209 (1999) 177-188  
 Lo Re, P.M., see P. Biondi 208/209 (1999) 85-102  
 Lonc, Z., On ordered sets without 2-colourings 201 (1999) 171-188  
 Lou, D., On the structure of minimally  $n$ -extendable bipartite graphs 202 (1999) 173-181  
 Lu, X., D.-W. Wang and C.K. Wong, The strong Hall property and symmetric chain orders 203 (1999) 161-168  
 Lunardon, G., see L. Bader 208/209 (1999) 13- 22  
 Lungo, A.D., see E. Barcucci 204 (1999) 41- 71

Macula, A.J., see D. Le 207 (1999) 285-289  
 Madaras, T., Note on weights of paths in polyhedral graphs (*Communication*) 203 (1999) 267-269  
 Maffray, F., see M. Blidia 205 (1999) 211-216  
 Mahadev, N.V.R. and T.-M. Wang, On uniquely intersectable graphs 207 (1999) 149-159  
 Manoussakis, Y. and I. Milis, A sufficient condition for maximum cycles in bipartite digraphs 207 (1999) 161-171  
 Mao, J. and D. Li, A new upper bound on the number of edges in a geodetic graph 202 (1999) 183-189  
 Marcugini, S., A. Milani and F. Pambianco, Maximal  $(n, 3)$ -arcs in  $PG(2, 11)$  208/209 (1999) 421-426  
 Markus, L.R., see G.S. Domke 203 (1999) 61- 69  
 Maruta, T., see I.N. Landjev 202 (1999) 145-161  
 Maruta, T., On the minimum length of  $q$ -ary linear codes of dimension four 208/209 (1999) 427-435  
 Mathew, J., see M. Changat 206 (1999) 91- 95  
 Matúš, F., Matroid representations by partitions 203 (1999) 169-194  
 Maturo, A., see S. Innamorati 208/209 (1999) 339-347  
 Mays, M., see J. Goldwasser 204 (1999) 231-236  
 McConnell, R.M. and J.P. Spinrad, Modular decomposition and transitive orientation 201 (1999) 189-241  
 McKee, T.A., A new characterization of strongly chordal graphs (*Note*) 205 (1999) 245-247  
 McQuillan, J.M., Hyperovals in  $PG(2, 4)$  and a self-dual code 208/209 (1999) 437-441  
 Melançon, G., Lyndon factorization of sturmian words 210 (2000) 137-149  
 Meyniel, H., see M. Blidia 205 (1999) 211-216  
 Milani, A., see S. Marcugini 208/209 (1999) 421-426  
 Milici, S. and G. Quattrocchi, Embedding handcuffed designs with block size 2 or 3 in 4-cycle systems 208/209 (1999) 443-449  
 Milici, S. and Z. Tuza, Disjoint blocking sets in cycle systems 208/209 (1999) 451-462

Milis, I., see Y. Manoussakis	207	(1999)	161-171
Mills, A.D. and J.G. Oxley, A class of non-binary matroids with many binary minors	207	(1999)	173-187
Mills, A.D., On matroids with many common bases	203	(1999)	195-205
Milne, S.C., see V.E. Leininger	204	(1999)	281-317
Mollard, M., see A. Berrachedi	208/209	(1999)	71-75
Morris Jr. W.D., see S. Hoşten	201	(1999)	133-139
Napolitano, V., see N. Durante	208/209	(1999)	211-233
Nelson, I., see P. Cull	208/209	(1999)	157-175
Nešetřil, J., see O.V. Borodin	206	(1999)	77-89
Niederhausen, H., Recursive initial value problems for Sheffer sequences	204	(1999)	319-327
Nishimura, T., see K. Ando	203	(1999)	1-8
Noy, M., see P. Flajolet	204	(1999)	203-229
Owens, P.J., Shortness parameters for polyhedral graphs	206	(1999)	159-169
Oxley, J.G., see A.D. Mills	207	(1999)	173-187
Pak, I., Reduced decompositions of permutations in terms of star transpositions, generalized Catalan numbers and $k$ -ARY trees	204	(1999)	329-335
Pambianco, F., see G. Faina	208/209	(1999)	261-271
Pambianco, F., see S. Marcugini	208/209	(1999)	421-426
Pambianco, F., A class of complete $k$ -caps of small cardinality in projective spaces over fields of characteristic three	208/209	(1999)	463-468
Parthasarathy, K.R., Graph characterising polynomials	206	(1999)	171-178
Parvathy, K.S. and A. Vijayakumar, Convex extendable trees	206	(1999)	179-185
Pasini, A., see A. Del Fra	208/209	(1999)	189-204
Peisert, W., Direct product and uniqueness of automorphism groups of graphs	207	(1999)	189-197
Peleg, D., see C. Laforest	203	(1999)	133-159
Pellegrini, S., see A. Benini	208/209	(1999)	49-59
Pergola, E., see E. Barcucci	204	(1999)	41-71
Peterson, D. and D.R. Woodall, Edge-choosability in line-perfect multigraphs	202	(1999)	191-199
Petkovsek, M., see S.A. Abramov	210	(2000)	3-25
Pinzani, R., see E. Barcucci	204	(1999)	41-71
Plantholt, M., A sublinear bound on the chromatic index of multigraphs	202	(1999)	201-213
Plummer, M.D., see R.E.L. Aldred	206	(1999)	35-43
Plummer, M.D., see H. Enomoto	205	(1999)	217-220

Polat, N., Invariant subgraph properties in pseudo-modular graphs 207 (1999) 199-217

Polverino, O., Small minimal blocking sets and complete  $k$ -arcs in  $\text{PG}(2, p^3)$  208/209 (1999) 469-476

Ponnusamy, B., see S.A. Choudum 206 (1999) 119-129

Porteous, M.I., see R.E.L. Aldred 206 (1999) 35-43

Pranesachar, C.R., A class of 'matching-equivalent' bipartite graphs 203 (1999) 207-213

Prangenberg, D., see R.J. Gardner 202 (1999) 45-71

Prince, A.R., Projective planes of order 12 and  $\text{PG}(3, 3)$  208/209 (1999) 477-483

Prisner, E., Generalized octahedra and cliques in intersection graphs of uniform hypergraphs 206 (1999) 187-195

Prömel, H.J., see G. Brightwell 201 (1999) 53-80

Procesi, R. and R. Rota, On some classes of hyperstructures 208/209 (1999) 485-497

Pulapaka, H., Nonrevisiting cycles on surfaces 207 (1999) 219-231

Pynko, A.P., Implicational classes of De Morgan lattices 205 (1999) 171-181

Qian, X., see G. Leng 202 (1999) 163-172

Quattrocchi, G., see S. Milici 208/209 (1999) 443-449

Quinn, K.A.S., see M. Grannell 205 (1999) 85-96

Raines, M.E., A generalization of the Doyen-Wilson theorem for extended triple systems of all indices 202 (1999) 215-225

Rains, E., Optimal self-dual codes over  $\mathbb{Z}_4$  203 (1999) 215-228

Ramachandran, G., see N. Sridharan 206 (1999) 205-212

Randerath, B., I. Schiermeyer and H. Wang, On quadrilaterals in a graph 203 (1999) 229-237

Raspaud, A., see O.V. Borodin 206 (1999) 77-89

Rautenbach, D., On the differences between the upper irredundance, upper domination and independence numbers of a graph 203 (1999) 239-252

Ravindra, G., Some classes of strongly perfect graphs 206 (1999) 197-203

Read, R.C. and E.G. Whitehead Jr., Chromatic polynomials of homeomorphism classes of graphs 204 (1999) 337-356

Reuter, K., see U. Leimich 201 (1999) 157-170

Rinaldi, G., Transformation of projective planes and permutation sets 208/209 (1999) 499-506

Rota, R., see R. Procesi 208/209 (1999) 485-497

Ryabenko, A., see S.A. Abramov 210 (2000) 3-25

Ryjáček, Z., see M.E.K. Abderrezak 207 (1999) 263-269

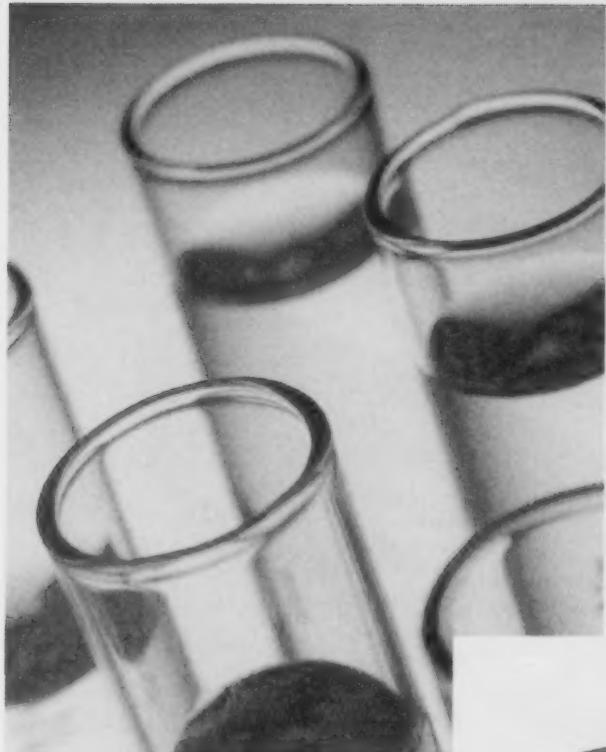
Saad, G. and M.J. Thomsen, Endomorphism near-rings: Foundations, problems and recent results 208/209 (1999) 507-527

Saito, A., see H. Enomoto 205 (1999) 217-220

Sanders, D.P., see O.V. Borodin	203	(1999)	23- 40
Sands, B., see D. Duffus	201	(1999)	89- 99
Sárközy, G.N., Complete tripartite subgraphs in the coprime graph of integers	202	(1999)	227-238
Scheinerman, E.R., Local representations using very short labels ( <i>Note</i> )	203	(1999)	287-290
Schiermeyer, I., see B. Randerath	203	(1999)	229-237
Schlosser, M., see Krattenthaler, C.	204	(1999)	249-279
Schlosser, M., Summation theorems for multidimensional basic hypergeometric series by determinant evaluations	210	(2000)	151-169
Shaw, R., Configurations of planes in PG(5, 2)	208/209	(1999)	529-546
Sheng, Y., F. Tian and B. Wei, Panconnectivity of locally connected claw-free graphs	203	(1999)	253-260
Shermer, T.C., see C. Laforest	203	(1999)	133-159
Shiu, W.C., see P.C.B. Lam	201	(1999)	135-144
Shiue, P.J.-S., see L.C. Hsu	204	(1999)	237-247
Shonhiwa, T., On a class of prime-detecting congruences	204	(1999)	357-368
Simion, R. and R.P. Stanley, Flag-symmetry of the poset of shuffles and a local action of the symmetric group	204	(1999)	369-396
Smith, W.W., see S.T. Chapman	203	(1999)	271-277
Solé, P., see A. Bonnecaze	205	(1999)	1- 21
Sopena, E., see O.V. Borodin	206	(1999)	77- 89
Sotteau, D., see C. Laforest	203	(1999)	133-159
Spinrad, J.P., see R.M. McConnell	201	(1999)	189-241
Sridharan, N. and G. Ramachandran, Simple graphs containing induced subgraphs whose automorphism groups are isomorphic to subgroups of a given finite group	206	(1999)	205-212
Stanley, R.P., see R. Simion	204	(1999)	369-396
Steffen, E., Counterexamples to a conjecture about Petersen-minors in supersnarks ( <i>Note</i> )	207	(1999)	291-292
Storme, L., see A. Cossidente	208/209	(1999)	139-156
Sturmfels, B., Solving algebraic equations in terms of $\mathcal{A}$ -hypergeometric series	210	(2000)	171-181
Sulanke, R.A., Constraint-sensitive Catalan path statistics having the Narayana distribution	204	(1999)	397-414
Sun, L., see P.C.B. Lam	202	(1999)	135-144
Sziklai, P., On subsets of $GF(q^2)$ with $d$ th power differences	208/209	(1999)	547-555
Szönyi, T., Around Rédei's theorem	208/209	(1999)	557-575
Tesar, E.H., see D. Craft	207	(1999)	271-276
Thas, J.A., Generalized quadrangles of order $(s, s^2)$ : recent results	208/209	(1999)	577-587

Thomsen, M.J., see G. Saad	208/209	(1999)	507-527
Tian, F., see E. Flandrin	205	(1999)	65- 76
Tian, F., see O. Favaron	206	(1999)	139-144
Tian, F., see Y. Sheng	203	(1999)	253-260
Tokuda, T., Connected $[a, b]$ -factors in $K_{1,n}$ -free graphs containing an $[a, b]$ -factor ( <i>Note</i> )	207	(1999)	293-298
Trapp, G., see J. Goldwasser	204	(1999)	231-236
Trotter, W.T., see G. Agnarsson	201	(1999)	5- 19
Trotter, W.T., see S. Felsner	201	(1999)	101-132
Tuza, Z., see S. Milici	208/209	(1999)	451-462
Ueberberg, J., see N. Durante	208/209	(1999)	211-233
Ughi, E., see M. Giulietti	208/209	(1999)	311-318
Usha Devi, N. and G.R. Vijayakumar, Hereditary properties of graphs	206	(1999)	213-215
Vakil, R., On the Steenrod length of real projective spaces: finding longest chains in certain directed graphs	204	(1999)	415-425
Vamvakari, M.G., see A. Kyriakoussis	205	(1999)	145-169
Van Maldeghem, H., Finite generalized quadrangles as the union of few large subquadrangles	208/209	(1999)	589-605
Vanstone, S.A., see D. Jungnickel	208/209	(1999)	375-386
Varma, B.N., see J.S. Bagga	206	(1999)	51- 61
Vijayakumar, A., see K.S. Parvathy	206	(1999)	179-185
Vijayakumar, G.R., see N. Usha Devi	206	(1999)	213-215
Vijayalakshmi, V., Multiplicity of triangles in cocktail party graphs	206	(1999)	217-218
Vincenti, R., Some partitions of $PG(3, q)$ into normal rational curves and related topics	208/209	(1999)	607-614
Voloshin, V.I. and H. Zhou, Pseudo-chordal mixed hypergraphs	202	(1999)	239-248
Vougiouklis, T., On $H_v$ -rings and $H_v$ -representations	208/209	(1999)	615-620
Walker, K., see M. Alabdullatif	208/209	(1999)	9- 12
Wang, H., see B. Randerath	203	(1999)	229-237
Wang, H., Bipartite graphs containing every possible pair of cycles	207	(1999)	233-242
Wang, T.-M., see N.V.R. Mahadev	207	(1999)	149-159
Wang, H., On the maximum number of independent cycles in a graph	205	(1999)	183-190
Wang, J. and J. Yin, Existence of holey 3-GDDs of type $(u, g'w^1)$	202	(1999)	249-269
Wang, D.-W., see X. Lu	203	(1999)	161-168

Wanless, I.M., Maximising the permanent and complementary permanent of (0,1)-matrices with constant line sum	205	(1999)	191-205
Wei, B., see E. Flandrin	205	(1999)	65- 76
Wei, B., see Y. Sheng	203	(1999)	253-260
Welker, V., Constructions preserving evasiveness and collapsibility	207	(1999)	243-255
Wene, G.P., see M. Cordero	208/209	(1999)	125-137
West, D.B., see K.P. Bogart	201	(1999)	21- 23
West, J., see T. Chow	204	(1999)	119-128
Whitehead Jr., E.G., see R.C. Read	204	(1999)	337-356
Wong, C.K., see X. Lu	203	(1999)	161-168
Woodall, D.R., see D. Peterson	202	(1999)	191-199
Woodall, D.R., see D.G. Fon-Der-Flaass	207	(1999)	277-284
Woodall, D.R., Edge-choosability of multicircuits	202	(1999)	271-277
Yao, J.-y., Opacités des automates finis	202	(1999)	279-298
Yin, J., see J. Wang	202	(1999)	249-269
Yin, J., see K. Heinrich	202	(1999)	101-112
Yuster, R., Optimal factorizations of families of trees ( <i>Note</i> )	203	(1999)	291-297
Yuster, R., see Y. Caro	202	(1999)	1- 19
Zanella, C., see A. Bichara	208/209	(1999)	77- 83
Zeng, J., see G.-N. Han	205	(1999)	119-143
Zhang, L., see E. Flandrin	205	(1999)	65- 76
Zhao, Y., see O.V. Borodin	203	(1999)	23- 40
Zhou, H., see V.I. Voloshin	202	(1999)	239-248
Zhu, X., see G.J. Chang	205	(1999)	23- 37
Zuanni, F., see L. Berardi	208/209	(1999)	61- 70
Zverovich, I.E., Near-complete multipartite graphs and forbidden induced subgraphs	207	(1999)	257-262



BRINGING THE  
WORLD'S LARGEST  
SCIENTIFIC DATABASE  
TO YOUR DESKTOP

SCIENCE @ DIRECT®

ScienceDirect® provides electronic full text access to more than 1,000 scientific, technical and medical journals published by Elsevier Science and the leading STM publishers.

- Desktop access to more than 550,000 full text articles across 14 fields of science
- Intuitive search and navigation through a simple Web-based interface
- Direct links to full text through a broad collection of secondary databases – delivered via the Internet or your local Intranet
- Current and back issues of journals plus links to document delivery services

<http://www.sciencedirect.com>



NEW YORK  
+1 212 633 3809  
[usinfo@sciencedirect.com](mailto:usinfo@sciencedirect.com)

AMSTERDAM  
+31 20 485 3767  
[nlinfo@sciencedirect.com](mailto:nlinfo@sciencedirect.com)

SINGAPORE  
+65 434 3716  
[sginfo@sciencedirect.com](mailto:sginfo@sciencedirect.com)

TOKYO  
+81 3 5561 5035  
[jpinfo@sciencedirect.com](mailto:jpinfo@sciencedirect.com)

RIO DE JANEIRO  
+55 21 509 5340  
[brinfo@sciencedirect.com](mailto:brinfo@sciencedirect.com)



The FREE e-mail service which delivers Elsevier Science book and journal tables of contents directly to your PC

**CONTENTS**  
**direct**

REGISTER TODAY

[www.elsevier.com/locate/contentsdirect](http://www.elsevier.com/locate/contentsdirect)

## Sign-up is simple!

- 1 ALL YOU HAVE TO DO IS VISIT THE CONTENTSDIRECT WEBSITE
- 2 FOLLOW THE INSTRUCTIONS TO REGISTER YOUR BOOK AND JOURNAL INTERESTS ONLINE
- 3 THEN SIT BACK AND ENJOY ADVANCE E-MAIL NOTIFICATION OF THE VERY LATEST RESEARCH IN YOUR AREAS OF INTEREST

## Scope of the Journal

The aim of this journal is to bring together research papers in different areas of discrete mathematics. Contributions presented to the journal can be research papers, short notes, surveys, and possibly research problems. The 'Communications' section will be devoted to the fastest possible publication of the brief outlines of recent research results, the detailed presentation of which might be submitted for possible publication in DISC or elsewhere. The journal will also publish a limited number of book announcements, as well as proceedings of conferences. The journal will publish papers in combinatorial mathematics and related areas. In particular, graph and hypergraph theory, network theory, coding theory, block designs, lattice theory, the theory of partially ordered sets, combinatorial geometries, matroid theory, extremal set theory, logic and automata, matrices, polyhedra, discrete probability theory, etc. shall be among the fields covered by the journal.

## Instructions to contributors

All contributions should be written in English or French, should have an abstract in English (as well as one in French if the paper is written in French), and—with the exception of Communications—should be sent in triplicate to Nelly Segal, Editorial Manager, RUTCOR, Rutgers, the State University of New Jersey, 640 Bartholomew Road, Piscataway, NJ 08854-8003, USA. The authors are requested to put their mailing address on the manuscript.

Upon acceptance of an article, the author(s) will be asked to transfer copyright of the article to the Publisher. This transfer will ensure the widest possible dissemination of information.

Manuscripts submitted for the Communications section, having at most 5 typewritten pages, should be sent to a member of the editorial board in triplicate. Detailed proofs do not have to be included, but results must be accompanied at least by rough outlines of their proofs. Subsequent publication in this journal or elsewhere of the full text of a research report, the outline of which has been published in the Communications section of our journal, is not excluded. Every effort shall be made for the fastest possible publication of Communications.

Please make sure that the paper is submitted in its final form. Corrections in the proofstage, other than of printer's errors, should be avoided; costs arising from such extra corrections will be charged to the authors.

The manuscript should be prepared for publication in accordance with instructions given in the 'Instructions to Authors' (available from the Publisher) details of which are condensed below:

- The manuscript must be typed on one side of the paper in double spacing with wide margins. A duplicate copy should be retained by the author.
- Special care should be given to the preparation of the drawings for figures and diagrams. Except for a reduction in size, they will appear in the final printing in exactly the same form as they were submitted by the author; normally they will not be redrawn by the printer. In order to make a photographic reproduction possible, all drawings should be on separate sheets, with wide margins, drawn large size, in Indian ink, and carefully lettered. Exceptions are diagrams only containing formulae and a small number of single straight lines (or arrows); these can be typeset by the printer.
- References should be listed alphabetically, in the same way as the following examples:  
*For a book:* W.K. Chen, *Applied Graph Theory* (North-Holland, Amsterdam, 1971).  
*For a paper in a journal:* P. Erdős, Some recent problems and results in graph theory, *Discrete Math.* 164 (1997) 81–85.  
*For a paper in a contributed volume:* M.O. Rabin, Weakly definable relations and special automata, in: Y. Bar-Hillel, ed., *Mathematical Logic and Foundations of Set Theory* (North-Holland, Amsterdam, 1970) 1–23.  
*For an unpublished paper:* R. Schrauwen, Series of singularities and their topology, Ph.D. Thesis, Utrecht University, Utrecht, 1991.
- LaTeX: If your manuscript has been prepared with (La)TeX, then your files may be of use to us for producing galley proofs and for printing. We only wish to receive the files once a paper has been accepted. Kindly send an MSDOS-formatted floppy disc with the final version. The contents of the files on the floppy should be exactly the same as the hard copy that we receive from you. If the file is suitable, proofs will be produced without rekeying the text. The article should be encoded in Elsevier-LaTeX, standard LaTeX, or AMS-LaTeX (in document style 'article'). *No changes from the accepted version are permissible, without the explicit approval by the Editor. The Publisher reserves the right to decide whether to use the author's file or not.* If the file is sent by e-mail, the name of the journal *Discrete Mathematics*, should be mentioned in the "subject field" of the message to identify the paper. Authors should include an ASCII table (available from the Publisher) in their files to enable the detection of transmission errors. The files should be mailed to: Michael D. Griffin, Elsevier Science B.V., P.O. Box 103, 1000 AC Amsterdam, Netherlands, Fax: (31-20) 4852616. E-mail: m.griffin@elsevier.nl.

The Elsevier LaTeX package (including detailed instructions for LaTeX preparation) can be obtained from the Comprehensive TeX Archive Network (CTAN). Search for Elsevier on the CTAN Search page (<http://www.ucc.ie/cgi-bin/ctan>), or the CTAN-Web page (<http://tug2.cs.umb.edu/ctan/>), or use direct access via FTP at <ftp.dante.de> (Germany), <ftp.tex.ac.uk> (UK), or <tug2.cs.umb.edu> (Massachusetts, USA) and go to the directory /tex-archive/macros/latex/contrib/supported/elsevier. The Elsevier package consists of the files: ascii.tab (ASCII table), elsart.cls (use this file if you are using LaTeX2e, the current version of LaTeX), elsart.sty and elsart12.sty (use these two files if you are using LaTeX2.09, the previous version of LaTeX), instraut.dvi and/or instraut.ps (instruction booklet), readme. CTAN is a mirrored network of <ftp.tex.ac.uk>, <ftp.dante.de> and <tug2.cs.umb.edu>, which are widely mirrored (see <http://tug2.cs.umb.edu/ctan/ctansite.txt>) and hold up-to-date copies of all the public-domain versions of TeX, LaTeX, Metafont and ancillary programs.

## Author's benefits

1. 30% discount on all book publications of North-Holland.
2. 50 reprints are provided free of charge to the principal author of each paper published.

**USA mailing notice:** Discrete Mathematics (ISSN 0012-365X is published (total 16 issues) by Elsevier Science B.V. (P.O. Box 211, 1000 AE Amsterdam, The Netherlands). Annual subscription price in the USA US\$3709.00 (valid in North, Central and South America), including air speed delivery. Periodical postage rate paid at Jamaica, NY 11431.

**USA POSTMASTER:** Send address changes to Discrete Mathematics. Publications Expediting Inc., 200 Meacham Ave, Elmont, NY 11003.

**AIRFREIGHT AND MAILING** in the USA by Publications Expediting Inc., 200 Meacham Avenue, Elmont, NY 11003.



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: [www.elsevier.nl/locate/contentsdirect](http://www.elsevier.nl/locate/contentsdirect)

---



0012-365X(2000)201/210;1-J

Keep track of recently published papers  
<http://www.elsevier.nl/locate/disc>

